

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/092316 A1

(51) International Patent Classification⁷: **A61K 31/191**,
31/18, C07D 307/02, 311/14, 311/10, 311/08, 235/02,
C12Q 1/68, G01N 33/78

(74) Agents: **BRADY, Paul, Andrew et al.**; Abel & Imray, 20
Red Lion Street, London WC1R 4PQ (GB).

(21) International Application Number:
PCT/EP2005/003030

(22) International Filing Date: 22 March 2005 (22.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0406378.0 22 March 2004 (22.03.2004) GB

(71) Applicant (for all designated States except US): **KARO
BIO AB** [SE/SE]; Novum, S-141 57 Huddinge (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GARCIA COL-
LAZO, Anna, Maria** [ES/SE]; Karo Bio AB, Novum,
S-141 57 Huddinge (SE). **ERICSSON, Thomas, An-
ders, Wilson** [SE/SE]; Karo Bio AB, Novum, S-141 57
Huddinge (SE). **GARG, Neeraj** [SE/SE]; Karo Bio AB,
Novum, S-141 57 Huddinge (SE). **LÖFSTEDT, Anton,
Joakim** [SE/SE]; Karo Bio AB, Novum, S-141 57 Hud-
dinge (SE). **HANSSON, Tomas, Fredrik** [SE/SE]; Karo
Bio AB, Novum, S-141 57 Huddinge (SE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US; UZ, VC, VN, YU, ZA,
ZM, ZW.

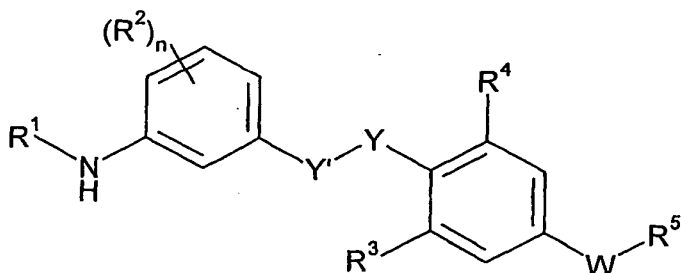
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: NOVEL PHARMACEUTICAL COMPOSITIONS COMPRISING AGONISTS OF THE THYROID RECEPTOR



(I)

(57) Abstract: The invention provides compounds of formula I or a pharmaceutically acceptable ester, amide, solvate or salt thereof, including a salt of such an ester or amide, and a solvate of such an ester, amide or salt. The invention also provides the use of such compounds in the treatment or prophylaxis of a condition mediated by a thyroid receptor. Formula (I) wherein R¹, R², n, Y, Y', R³, R⁴, W and R⁵ are as defined in the specification.

This Page Blank (uspto)